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#### IN THE CLAIMS

Please amend claims 1, 4, 6, 9, 11, 14, 16 and 19 as follows:

- 1. (CURRENTLY AMENDED) A method of embedding a watermark in digital data, comprising:
  - (a) scaling the digital data to a standardized size;
  - (b) performing a Discrete Fourier Transform (DFT) on the scaled digital data;
  - (c) computing a magnitude domain of the Discrete Fourier Transform;
- (d) embedding each bit of the watermark into a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform, thereby creating a watermarked magnitude domain; and
- (e) performing an inverse Discrete Fourier Transform on the watermarked magnitude domain to reconstruct the digital data with the embedded watermark.
- 2. (ORIGINAL) The method of claim 1, further comprising extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.
- 3. (ORIGINAL) The method of claim 1, wherein the selected frequency bands comprise one or more middle frequency bands.
- 4. (CURRENTLY AMENDED) The method of claim 3, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.
  - 5. (CANCELED)
- (CURRENTLY AMENDED) An apparatus for embedding a watermark in digital data, comprising:
  - (a) means for scaling the digital data to a standardized size;
  - (b) means for performing a Discrete Fourier Transform (DFT) on the scaled digital data;
  - (c) means for computing a magnitude domain of the Discrete Fourier Transform;

- (d) means for embedding each bit of the watermark into a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform, thereby creating a watermarked magnitude domain; and
- (e) means for performing an inverse Discrete Fourier Transform on the watermarked magnitude domain to reconstruct the digital data with the embedded watermark.
- 7. (ORIGINAL) The apparatus of claim 6, further comprising means for extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.
- 8. (ORIGINAL) The apparatus of claim 6, wherein the selected frequency bands comprise one or more middle frequency bands.
- 9. (CURRENTLY AMENDED) The apparatus of claim 8, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.
  - 10. (CANCELED)
- 11. (CURRENTLY AMENDED) A method of detecting a watermark in digital data, comprising:
  - (a) scaling the digital data to a standardized size;
  - (b) performing a Discrete Fourier Transform (DFT) on the scaled digital data;
  - (c) computing a magnitude domain of the Discrete Fourier Transform; and
- (d) extracting <u>each bit of</u> the watermark from a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform.
- 12. (ORIGINAL) The method of claim 11, further comprising extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.

- 13. (ORIGINAL) The method of claim 11, wherein the selected frequency bands comprise one or more middle frequency bands.
- 14. (CURRENTLY AMENDED) The method of claim 13, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.

## 15. (CANCELED)

- 16. (CURRENTLY AMENDED) An apparatus for detecting a watermark in digital data, comprising:
  - (a) means for scaling the digital data to a standardized size;
  - (b) means for performing a Discrete Fourier Transform (DFT) on the scaled digital data;
  - (c) means for computing a magnitude domain of the Discrete Fourier Transform; and
- (d) means for extracting each bit of the watermark from a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform.
- 17. (ORIGINAL) The apparatus of claim 16, further comprising means for extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.
- 18. (ORIGINAL) The apparatus of claim 16, wherein the selected frequency bands comprise one or more middle frequency bands.
- 19. (CURRENTLY AMENDED) The apparatus of claim 18, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.

### 20. (CANCELED)